

## CHAPTER 14

### MISCELLANEOUS TRACK APPLIANCES

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#### 14-1 Track scales.

The inspection, maintenance, and calibration of railroad of railroad track scales are covered in the Association of American Railroads “Scale Handbook” which is published annually as a part of the *AREA Manual For Railway Engineering*. Track scales should be inspected and calibrated periodically in accordance with the recommendations given in the “Scale Handbook.”

#### 14-2. Bonded and grounded track.

*a.* Certain tracks used for the loading/unloading of fuels and ordinance are required to be bonded and grounded (TM 5-850-2/AFM 88-7, Chap. 2). During maintenance of bounded and grounded track care shall be taken to maintain the integrity of the rail bonds, ground rods, and connections.

*b.* During routine track inspections the general condition of the bonds, ground wires and connections shall be observed. Loose or missing bonds or connections shall be repaired immediately to meet the requirements of TM 5-850-2/AFM 88-7, Chap. 2. The occurrence of excessive corrosion in the terminal areas of the bond wires and ground wires indicates a need for cleaning, repair, or replacement. Bonds and grounds shall be replaced if there exist a large difference in electrical potential between the rails.

#### 14-3. Derails.

*a.* Derails shall be maintained in good condition.

*b.* Derails shall be kept clean and painted in order to be readily visible to operating personnel.